## REMARKS

Applicants respectfully request that the foregoing amendments to Claims 4, 6-8, 10, 13, 16-19, 22, 27, 29-36, and 41 be entered in order to avoid this application incurring a surcharge for the present of one or more multiple dependent claims.

Respectfully submitted,

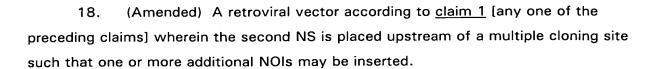
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## **VERSION WITH MARKING TO SHOW CHANGES MADE**

- 4. (Amended) A retroviral vector according to claim 1 [or claim 2 or claim 3] wherein the retroviral vector further comprises a second NOI; wherein the second NOI is downstream of the FSAS.
- 6. (Amended) A retroviral vector according to claim 4 [or claim 5] wherein the second NOI, or the expression product thereof, is or comprises a therapeutic agent or a diagnostic agent.
- 7. (Amended) A retroviral vector according to <u>claim 1</u> [any one of the preceding claims] wherein the first NOI. or the expression product thereof, is or comprises any one or more of an agent conferring selectability (e.g. a marker element), a viral essential element. or a part thereof, or combinations thereof.
- 8. (Amended) A retroviral vector according to <u>claim 1</u> [any one of the preceding claims] wherein the first NS is at or near to the 3' end of a retroviral provector; preferably wherein the 3' end comprises a U3 region and an R region; and preferably wherein the first NS is located between the U3 region and the R region.
- 10. (Amended) A retroviral vector according to <u>claim 1</u> [any one of the preceding claims] wherein the first NS is obtainable from a virus.
- 13. (Amended) A retroviral vector according to <u>claim 1</u> [any one of the preceding claims] wherein the retroviral pro-vector comprises a retroviral packaging signal; and wherein the second NS is located downstream of the retroviral packaging signal such that splicing is preventable at a primary target site.
- 16. (Amended) A retroviral vector according to <u>claim 1</u> [any one of the preceding claims] wherein the second NS is placed downstream of the first NOI such that the first NOI is capable of being expressed at a primary target site.
- 17. (Amended) A retroviral vector according to <u>claim 1</u> [any one of the preceding claims] wherein the second NS is placed downstream of the first NOI such that the first NOI is capable of being expressed at a primary target site and the retroviral vector titre is enhanced.



- 19. (Amended) A retroviral vector according to <u>claim 1</u> [any one of the preceding claims] wherein the second NS is a nucleotide sequence coding for an immunological molecule or a part thereof.
- 22. (Amended) A retroviral vector according to <u>claim 1</u> [any one of the preceding claims] wherein the vector additionally comprises a functional intron.
- 27. (Amended) A retroviral vector according to <u>claim 1</u> [any one of the preceding claims] wherein the vector or pro-vector is derivable from a murine oncoretrovirus or a lentivirus.
- 29. (Amended) A retroviral vector as defined in <u>claim 1</u> [any one of the preceding claims] wherein the retroviral vector is an integrated provirus.
- 30. (Amended) A retroviral particle obtainable from a retroviral vector according to claim 1 [any one of the preceding claims].
- 31. (Amended) A cell transfected or transduced with a retroviral vector according to claim 1 [any one of claims 1-29 or a retroviral particle according to claim 30].
- 32. (Amended) A retroviral vector according to <u>claim 1</u> [any one of claims 1-29 or a viral particle according to claim 30 or a cell according to claim 31 for use in medicine].
- 33. (Amended) Use of a retroviral vector in <u>claim 1</u> [any one of claims 1 to 29 or a viral particle according to claim 30 or a cell according to claim 31] for the manufacture of a pharmaceutical composition to deliver one or more NOIs to a target site in need of same.

- 34. (Amended) A method comprising transfecting or transducing a cell with a retroviral vector according to <u>claim 1</u> [any one of claims 1 to 29 or a viral particle according to claim 30 or by use of a cell according to claim 31].
- 35. (Amended) A delivery system for a retroviral vector according to claim 1 [any one of claims 1 to 29 a viral particle according to claim 30 or a cell according to claim 31] wherein the delivery system comprises one or more non-retroviral expression vector(s), adenoviruses(s), or plasmid(s) or combinations thereof for delivery of an NOI or a plurality of NOIs to a first target cell and retroviral vector for delivery of an NOI or a plurality of NOIs to a second target cell.
- 36. (Amended) A retroviral pro-vector as defined in <u>claim 1</u> [any one of the preceding claims].
- 41. (Amended) Use of a hybrid viral vector system according to claim 39 [and claim 40] wherein the lentiviral vector ahs a split-intron configuration.